

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

Complete if Known

Application Number 09/939,139
Filing Date 08/24/2001
First Named Inventor Mary Beth Kossuth
Group Art Unit 1771
Examiner Name
Attorney Docket Number 1012-109(2000-118)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
1		5,776,359		Schultz et al.	07/07/1998	
		5,959,297		Weinberg et al.	09/28/1999	
		5,985,356		Schultz et al.	11/16/1999	
		6,004,617		Schultz et al.	12/21/1999	
		6,013,199		McFarland et al.	01/11/2000	
		6,030,917		Weinberg et al.	02/29/2000	
		6,034,775		McFarland et al.	03/07/2000	
		6,034,240		La Pointe	03/07/2000	
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		6,087,181		Cong	07/11/2000	
		6,124,476		Guram et al.	09/26/2000	
		6,151,123		Nielsen	11/21/2000	
		6,149,882		Guan et al.	11/21/2000	
		6,157,449		Hajduk	12/05/2000	
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		6,177,528 B1		LaPointe et al.	01/23/2001	
		6,182,499 B1		McFarland et al.	02/06/2001	
		6,187,164 B1		Warren et al.	02/13/2001	
		6,203,726 B1		Danielson et al.	03/20/2001	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
2			WO 00/67086		Symyx Technologies, Inc.	11/09/2000		
			*WO 96/11878		Reg. of the Univ. of California	04/25/1996		
2			WO 0036410		Symyx Technologies, Inc.	06/22/2000		
			WO 00/40331		Symyx Technologies, Inc.	07/13/2000		
			*WO 00/51720		Symyx Technologies, Inc.	09/08/2000		
			*WO 00/17413		Symyx Technologies, Inc.	03/30/2000		
2			WO 00/23921		Symyx Technologies, Inc.	04/27/2000		

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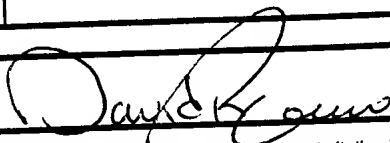
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		*ODIAN, Principles of Polymerization, 3rd Ed., John Wiley & Sons, Inc. (1991)	
Re	/	YOUNG, W.C., Roark's Formulas for Stress and Strain, 1989	
		*TIMOSHENKO, S., Theory of Plates and Shells, McGraw-Hill, New York 1940	
Re	/	OSTERBERG, Peter M. and Stephen D. Senturia, "M-TEST: A Test Chip for MEMS Material Property Measurement Using Electrostatically Actuated Test Structures," Journal of Microelectromechanical Systems, Vol. 6, No. 2, June 1997	
Re	/	KIM, J.O. and B. Lewis Slaten, "Objective Assessment of Fabric Handle in Fabrics Treated With Flame Retardants," Journal of Testing and Evaluation, JTEVA, Vol. 24, No. 4, July 1996, pp. 223-228.	
Re	/	GROVER, G. et al., "A Screening Technique for Fabric Handle", J. Text. Inst., 1993, 84 No. J. Textile Institute, pp. 486-494.	✓
Re	/	PAN, NING and K.C. Yen, "Physical Interpretations of Curves Obtained Through the Fabric Extraction Process for Handle Measurement," Textile Research Journal 62(5), pp. 279-290 (1992).	x
Re	/	"Handle-O-Meter", Thwing-Albert Instrument Company, Philadelphia, PA.	
Re	/	RAEEL, MASTURA and Jiang Liu, "An Empirical Model for Fabric Hand" Textile Research Journal 62, 1, pp. 31-38 (1991).	
Re	/	ALI, S.I. and Shahida Begum, "Fabric Softeners and Softness Perception", Ergonomics, v.37, No. 5, pp. 801-806 (1994).	

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		*U.S. Application Serial No. 09/420,334 entitled "Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 18, 1999	
		*U.S. Patent Application Serial No. 09/305,830 titled "Synthesizing Combinatorial Libraries of Materials" (Rust, et al.) filed on May 5, 1999	
		*U.S. Application Serial No. 09/550,549 entitled "Automated Process Control And Data Management System And Methods" (Crevier, et al.) filed on April 14, 2000	
		*U.S. Application Serial No. 09/755,623 entitled "Laboratory Database System and Methods For Combinatorial Materials Research" (Dorsett, Jr., et al.) filed on January 5, 2001.	
		*The family of applications for U.S. Application Serial No. 09/227,558 entitled, "Apparatus and Method of Research for Creating and Testing Novel Catalysts, Reactions and Polymers" (Turner et al.) filed January 8, 1999	
		*The family of applications for U.S. Application Serial No. 09/211,982 entitled "Parallel Reactor With Internal Sensing" (Turner et al.) filed December 14, 1998	
		*U.S. Application Serial No. 09/235,368 entitled "Polymerization Method From the Combinatorial Synthesis and Analysis of Organometallic Compounds and Catalysts" (Weinberg et al.) filed on January 21, 1999	
		*U.S. Provisional Application Serial No. 60/122,704 entitled "Controlled, Stable Free Radical Emulsion and Water-Based Polymerizations" (Klaerner et al.) filed on March 9, 1999	
26		The family of applications for U.S. Application Serial No. 09/156,827 entitled "Formation of Combinatorial Arrays of Materials Using Solution-Based Methodologies" (Giaquinta et al.) filed September 18, 1998	
		*The family of applications for U.S. Application Serial No. 09/567,598 entitled "Polymer Libraries on a Substrate, Method for Forming Polymer Libraries on a Substrate and Characterization Methods with Same" (Boussie et al.) filed May 10, 2000	
26		U.S. Application Serial No. 09/579,338 entitled "Rheo-Optical Indexer and Method of Screening and Characterizing Arrays of Materials" (Carlson et al.) filed on May 25, 2000	

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✓ Ro		U.S. Patent Application Serial No. 09/939,404 entitled "High Throughput Mechanical Property and Bulge Testing of Material Libraries," (D. Hajduk et al.) filed on August 24, 2001.	
✓ Ro		U.S. Patent Application Serial No. 09/939,252 entitled "High Throughput Mechanical Rapid Serial Property Testing of Material Libraries," (P. Mansky) filed on August 24, 2001.	
✓ Ro		U.S. Patent Application Serial No. 09/939,149 entitled "High Throughput Rheological Testing of Materials," (P. Mansky et al.) filed on August 24, 2001.	
✓ Ro		U.S. Patent Application Serial No. 09/939,263 entitled "High Throughput Mechanical Property Testing of Materials Libraries Using Capacitance," (D. Hajduk et al.) filed on August 24, 2001.	
✓ Ro		U.S. Patent Application Serial No. 09/938,994 entitled "High Throughput Mechanical Property Testing of Materials Libraries Using a Piezoelectric," (D. Hajduk) filed on August 24, 2001.	
✓ Ro		The family of applications for U.S. Patent Application Serial No. 09/580,024 entitled "Instrument for High Throughput Measurement of Material Physical Properties and Method of Using Same," (Carlson, et al.) filed on May 26, 2000	
		*The family of applications for U.S. Patent Application Serial No. 09/174,856 titled "Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 19, 1998.	
✓ Ro		U.S. Application Serial No. 09/801,165 entitled "Method and Apparatus for Characterizing Materials By Using a Mechanical Resonator" filed March 7, 2001	
✓ Ro		U.S. Application Serial No. 09/578,997 entitled "High Throughput Viscometer and Method of Using Same" filed May 25, 2000	
		*PCT Application No. PCT/US01/11417 entitled "Automated Process Control And Data Management System And Methods", filed 4/6/2001	

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		Number	Kind Code ² (if known)			
A		5,817,947	✓	Bergerus	10/06/1998	
		5,723,792	✓	Miyazaki	03/03/1998	
		5,532,942	✓	Kitamura et al.	07/02/1996	
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		6,043,317	✓	Mumick et al.	03/28/2000	

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J 26		6,242,623 B1	/	Boussie et al.	06/05/2001	
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		6,265,226 B1	/	Petro et al.	07/24/2001	
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		5,892,157	/	Syre	04/06/1999	
	5,877,428	/	Scolton	03/02/1999		
	5,847,283	/	Finot et al.	12/08/1998		

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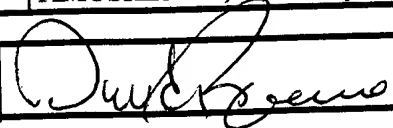
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		"DMA 2980 Dynamic Mechanical Analyser," http://www.tainst.com/dma2.html , 12/29/00	
		"Introducing the NEW DMTA V!", http://www.rheometricsscintific.com/dmtaV.htm , 12/29/00	
		"Standard Test Method for Rubber Property-Intrenational Hardness," American Society for Testing and Materials	
		AMITAY-SADOVSKY, ELLA and H. Daniel Wagner, "Evaluation of Young's Modulus of Polymers from Knoop Microindentation Tests" Polymer Communications, 1998, vol. 39, no. 11, pp. 2387-2390.	
20		CALLEJA, F.J. BALTA, "Microhardness Studies of Polymers and Their Transitions" TRIP, December 1994, vol. 2, no. 12, pp. 419-425	
		BOWLT, C., "A Simple Capillary Viscometer" Physics Education, March 1975, vol. 10, no. 2, pp. 102-103	
		LACOMBE, ROBERT H. and Jeremy Greenblatt, "Mechanical Propoerties of Thin Polyimide Films" pp. 647-668	
		SHINOZAKI, D.M. and Y. Lu, "Micro-Indentation Relaxation Measurements in Polymer Thin Films" Journal of Electronic Materials, 1997, vol. 26, no. 7, pp. 852-858	
		WIERENGA, P.E. and A.J.J. Franken, "Ultramicroindentation Apparatus for the Mechanical Characterization of Thin Films" J. Appl. Phys., June 15, 1984, 55 (12).	
		European Search Report dated December 10, 2001	

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Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
4		1,870,412	✓	Kennedy	08/09/1932	
		3,071,961	✓	Heigl et al.	01/08/1963	
		3,675,475	✓	Weinstein	07/11/1972	
		3,713,328	✓	Aritomi	01/30/1973	
		3,798,960	✓	Glass	03/26/1974	
		3,805,598	✓	Corcoran	04/23/1974	
		3,818,751	✓	Karper et al.	06/25/1974	
		3,849,874	✓	Jeffers	11/26/1974	
		3,895,513	✓	Richardson	07/22/1975	
		3,908,441	✓	Virloget	09/30/1975	
		3,933,032	✓	Tschoegl	01/20/1976	
		4,229,979	✓	Greenwood	10/28/1980	
		4,447,125	✓	Lazay et al.	05/08/1984	
		4,517,830	✓	Gunn, deceased et al.	05/21/1985	
		4,567,774	✓	Manahan et al.	02/04/1986	
		4,570,478	✓	Soong	02/18/1986	
		4,599,219	✓	Cooper et al.	07/08/1986	
		4,602,501	✓	Hirata	07/29/1986	
		4,680,958	✓	Ruelle et al.	07/21/1987	
		4,685,328	✓	Huebner et al.	08/11/1987	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁸
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
A			JP402297040A	✓	Akaha Toru	12/07/1990		
			WO 96/11878	✓	The Reg. of the Univ. of Calif.	04/25/1996		
			WO 00/51720		Symyx Technologies, Inc.	09/08/2000		
			WO 00/17413		Symyx Technologies	03/30/2000		
			WO 01/79949 A2		Symyx Technologies, Inc.	10/25/2001		
			WO 98/15501		Symyx Technologies, Inc.	04/16/1998		
			WO 99/18431		Symyx Technologies, Inc.	04/15/1999		
			EP 0 317 356 A2		Chichibu Cement Kabushiki	05/24/1989		

Examiner
Signature

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Date

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 3

Complete if Known

Application Number	09/939,139
Filing Date	08/24/2001
First Named Inventor	Mary Beth Kossuth
Group Art Unit	1771
Examiner Name	
Attorney Docket Number	1012-109(2000-118)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		4,740,078		Daendliker et al.	04/26/1988	
		4,749,854		Martens	06/07/1988	
		4,789,236		Hodor et al.	12/06/1988	
		4,793,174		Yau	12/27/1988	
		4,829,837		Telfer	05/16/1989	
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		4,899,575		Chu et al.	02/13/1990	
		4,932,270		Lurie et al.	06/12/1990	
		5,008,081		Blau et al.	04/16/1991	
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		5,142,900		Duke	09/01/1992	
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		5,236,998		Lundeen et al.	08/17/1993	
		5,271,266		Eschbach	12/21/1993	
		5,272,912		Katsuzaki	12/28/1993	
		5,280,717		Hoseney et al.	01/25/1994	
		5,303,030		Abraham et al.	04/12/1994	
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		5,452,619		Kawanabe et al.	09/26/1995	

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Sheet 3

of 3

Application Number	09/939,139
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Filing Date	08/24/2001
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First Named Inventor	Mary Beth Kossuth
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Group Art Unit	1771
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